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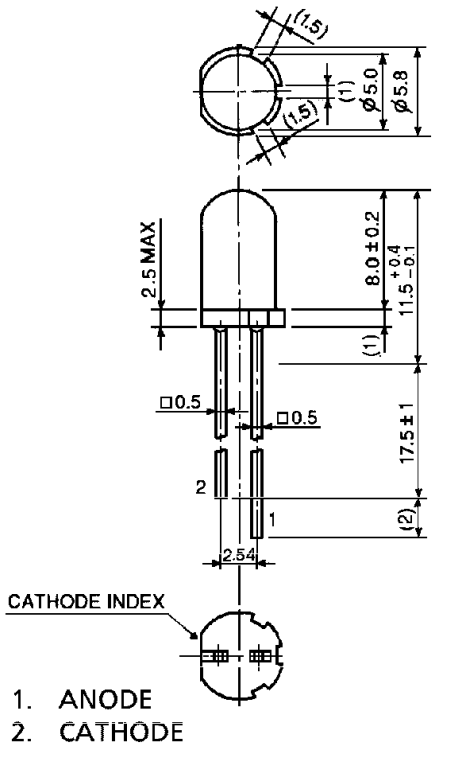
GREEN

TOSHIBA T-1¾ InGaAlP Ultra Bright LED

TLGE18TP

Product Features -

- InGaAlP Technology
- 5mm Diameter T-1¾ Package
- High Luminous Intensity
- Water Clear Lens
- Excellent ON-OFF Contrast Ratio



MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I_F	50	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	120	mW
Operating Temperature	T_{opr}	-40 ~ 100	°C
Storage Temperature	T_{stg}	-40 ~ 120	°C

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	IF = 20mA	—	2.0	2.4	V
Reverse Current	I_R	VR = 4V	—	—	50	μA
Luminous Intensity	I_V	IF = 20mA	272	700	—	mcd
Viewing Angle	2θ½	—	—	28	—	°
Peak Wavelength	λ_p	IF = 20mA	—	574	—	nm
Dominant Wavelength	λ_d	IF = 20mA	—	571	—	nm
Spectral Line Half Width	$\Delta\lambda$	IF = 20mA	—	17	—	nm

marktech optoelectronics
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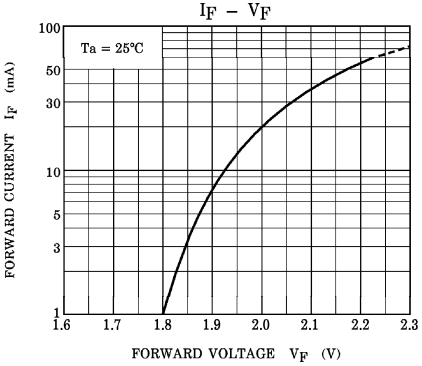
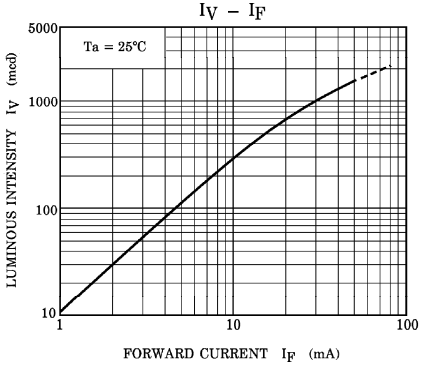
TLGE18TP Graphs -

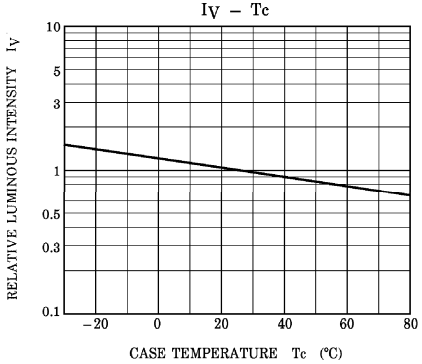
$I_F - V_F$



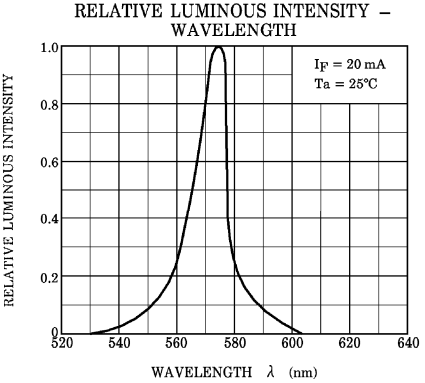
$I_V - I_F$



$I_V - T_c$

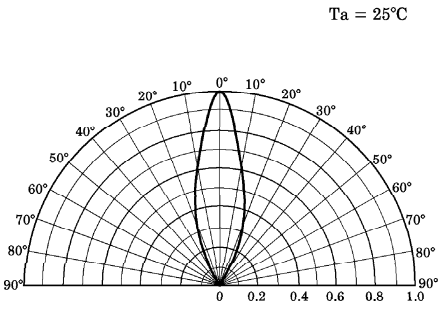


RELATIVE LUMINOUS INTENSITY – WAVELENGTH



RADIATION PATTERN

Ta = 25°C



$I_F - Ta$